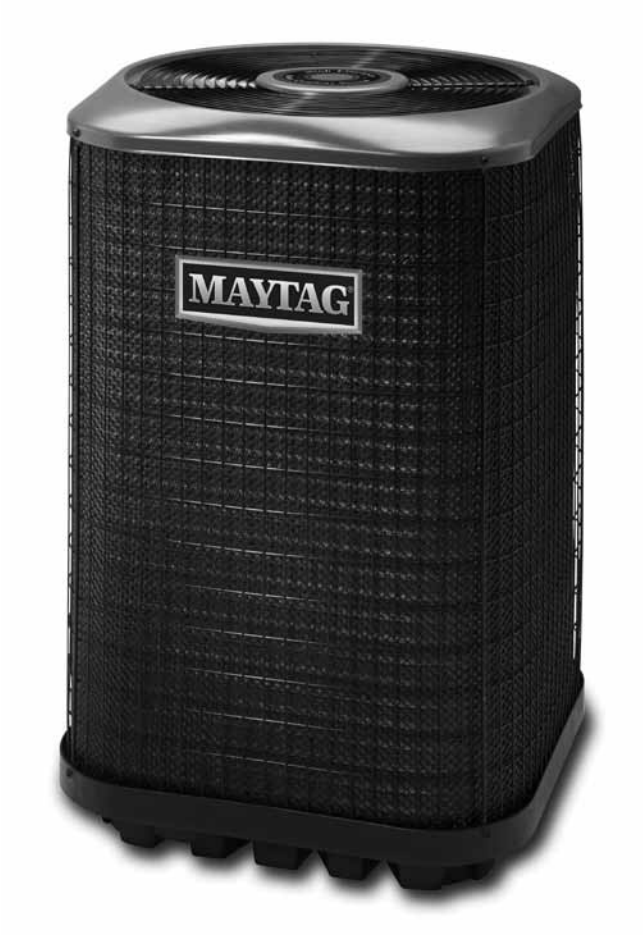
MAYTAG®

TECHNICAL SPECIFICATIONS

Model MSH4BD-KA Series



M120 Product Line

High Efficiency R-410A Heat Pump
13 SEER — 3.5, 4, and 5 Ton Capacities

The MSH4BD-KA Series of heat pumps offers exceptional performance. The unit, when combined with our engineered coils or air handlers, offers a full line of quality, split system cooling equipment.

Features and Benefits

- **Designed using galvanized steel** – with a polyester urethane coat finish. The 950 hour salt spray finish resists corrosion 50% better than comparable units.

- **Micro-Channel Coils –** All aluminum coils in all models which provides high corrosion resistance.

- **Permanently Lubricated Motor** – A heavy duty PSC motor for long lasting reliability and quiet operation. Requires no maintenance and is completely protected from rain and snow.

- **Removable Top Grille Assembly** – Allows ease of service from the top without disconnecting fan motor leads.

- **High Pressure Switch –** Protects against abnormally high system pressures. Auto-reset feature prevents nuisance service visits.

- **Liquid Line Filter Drier –** Included with unit, field installed.

- **One Piece Top/Orifice** – Designed for maximum airflow and quiet operation.

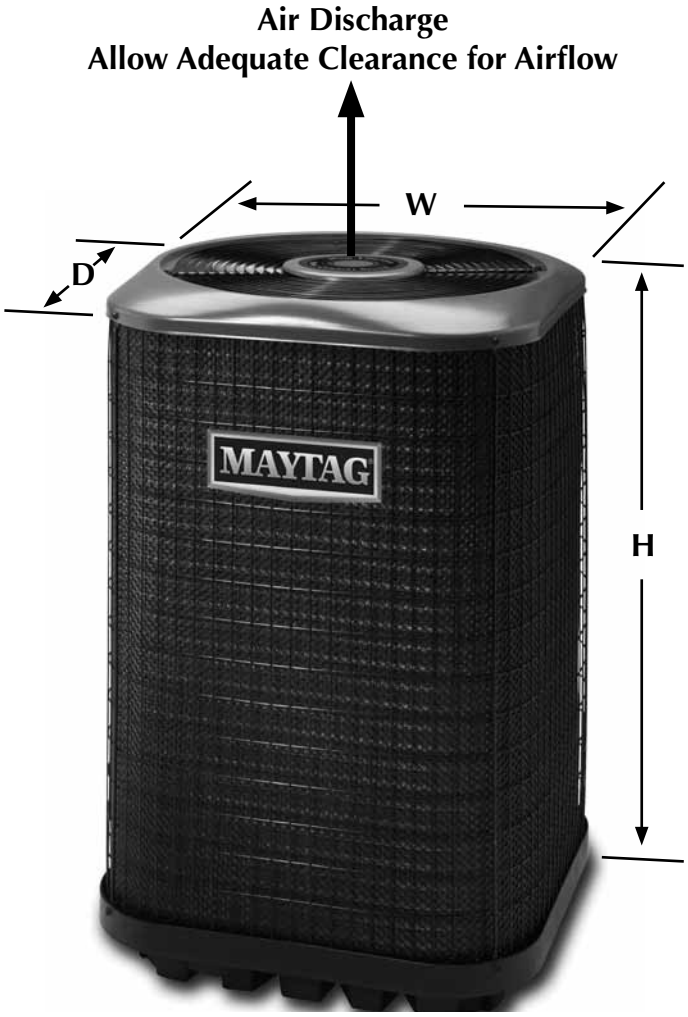
- **Easy Compressor and Control Access** – Designed to make servicing easier for the contractor, access panels are provided to all controls and the compressor from the side of the unit.

- **Composite Base Pan** - Absorbs sound and is corrosion resistant. Composite is also stronger and lighter than steel.

- **Fixed Orifice** – Integrated in liquid line service valve for easy change-out.

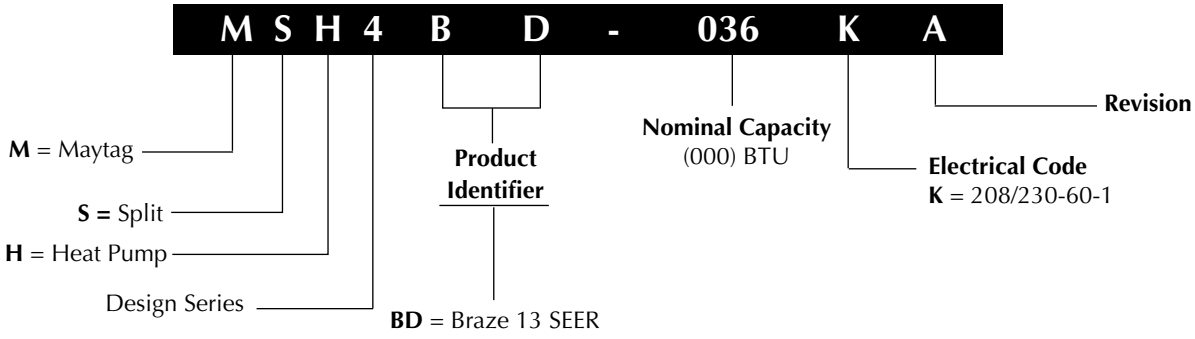
DIMENSIONS/OUTDOOR SECTION

MSH4BD-KA	042KA	048KA	060KA
H	45 1/2	45 1/2	45 1/2
W	30 3/4	30 3/4	30 3/4
D	30 3/4	30 3/4	30 3/4



IDENTIFICATION CODE

EX: MSH4BD-036KA



PHYSICAL AND ELECTRICAL SPECIFICATIONS / OUTDOOR UNITS

13 SEER — High Efficiency — Single Phase

Model Number MSH4BD-KA			042KA	048KA	060KA
SKU			922308L	922309L	922310L
Electrical Data	Volts-Cycles-Phase (1)		208/230-60-1		
	Total Amps		19.4	21.3	27.7
	Delay Fuse Max. (2)		40	45	60
	Min. Circuit Ampacity		23.9	26.3	34.3
Condenser Data	Coil	Area	25.0	24.4	24.4
		Rows-FPI	1-14	1-16	1-16
		Tube Dia	MC		
	Fan Motor	Type	PSC		
		Amps	1.5	1.5	1.5
		HP	0.25	0.25	0.25
	Compressor Data	RLA	17.9	19.8	26.2
		LRA	112.0	109.0	134.0
Refrigerant suction line O.D. Note: Liquid line is 3/8" O.D. for entire length		0-24 ft.	7/8	7/8	7/8
		25-39 ft.	7/8	7/8	1-1/8 (3)
		40-75 ft.	7/8	7/8	1-1/8 (3)
Refrigerant Charge: (R-410A) in ounces for outdoor unit, indoor unit, and 15' line set. (4)			113.0	115.0	114.0
Approximate Weight (lbs.)		Net	182	204	206
		Ship	191	213	215
Sound Rating db	Max Total Sound Level		75	75	75

(1) Operating Voltage Range: 187v min. - 253v max.
(2) HACR Type Circuit Breakers may be used.
(3) Requires 7/8" to 1-1/8" reducer from line to unit.
(4) Additional charge for line sets above 15 feet.
Values based on suction line as follows with 3/8" liquid line.
a) 3/4" = 0.6 oz. per additional foot.
b) 7/8" = 0.7 oz. per additonal foot.
c) 1 1/8 = 0.8 oz. per additional foot.
* For other line set dimensions, refer to the Application Guidelines for Refrigerant Lines Addendum

ACCESSORIES - CONDENSING UNIT

Start Assist Kit - 912933
Provides additional starting torque for the compressor motor when operating with low line voltage or high operating temperatures.

Outdoor Thermostat - 913852
Two stage logic provides ability to lock out electric strips down to balance point and bring on in stages.

Snow Stand Kit - 920636

Extreme Wind Condition Mounting Kit - 920900

Fan Delay Kit (TDR) - 918476

SYSTEM COOLING CAPACITIES

13 SEER — High Efficiency — Single Phase

Outdoor Unit MSH4BD-KA	Indoor Unit	Cooling Capacity BTUH	SEER	EER	Heating Capacity BTUH @ 47°F	HSPF	Nominal SCFM
MSH4BD042KA	B6BMM042K-B	40,000	13.00	11.00	40,000	8.00	1340
MSH4BD048KA	B6BMM060K-C	45,500	13.00	11.00	46,000	8.00	1555
MSH4BD060KA	B6BMM060K-C	57,500	13.00	11.00	58,000	8.00	1615

14 SEER — High Efficiency — Single Phase

Outdoor Unit MSH4BD-KA	Indoor Unit	Cooling Capacity BTUH	SEER	EER	Heating Capacity BTUH @ 47°F	HSPF	Nominal SCFM
MSH4BD042KA	B6EMMX42K-B	40,500	14.00	12.2	40,000	8.20	1375
MSH4BD048KA	B6EMMX48K-C	46,000	14.00	12.2	45,000	8.20	1510
MSH4BD060KA	B6EMMX60K-C	57,500	14.00	11.5	58,000	8.20	1600
MSH4BD042KA	B6VMMX42K-B	40,500	14.00	12.2	40,000	8.20	1375
MSH4BD048KA	B6VMMX48K-C	46,000	14.00	12.2	45,000	8.20	1510
MSH4BD060KA	B6VMMX60K-C	57,500	14.00	11.5	58,000	8.20	1600

See current AHRI Directory for certified combinations and ratings
www.ahridirectory.org

13 SEER + LOOSE COIL COOLING EXPANDED RATINGS

MSH4BD042KA C7B(A,H)M03642(C,U)-B

O.D.T			65°F			75°F			85°F			95°F			105°F			115°F		
CFM	E.D.B.	E.W.B	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.
1225	80	62	41.6	32.0	2.58	40.0	31.8	2.78	38.3	32.9	3.02	36.3	32.4	3.29	34.0	33.5	3.61	32.1	31.5	3.98
	80	67	45.7	26.3	2.66	43.9	26.2	2.87	41.9	26.4	3.11	39.9	25.9	3.38	37.5	25.5	3.70	34.9	23.6	4.05
	80	72	50.2	20.4	2.76	48.2	20.3	2.99	46.1	20.7	3.24	43.9	20.3	3.52	41.4	19.9	3.84	38.7	20.4	4.19
	75	62	41.5	26.7	2.58	39.9	26.5	2.78	38.0	26.6	3.01	36.0	26.0	3.28	33.6	23.3	3.60	30.9	25.3	3.95
1400	80	62	42.8	35.6	2.67	41.1	36.4	2.87	39.3	35.6	3.11	37.4	35.2	3.39	35.7	34.5	3.71	33.5	33.3	4.08
	80	67	46.8	28.1	2.75	44.9	28.9	2.97	42.8	28.2	3.21	40.6	27.8	3.48	38.2	27.8	3.79	35.6	27.7	4.14
	80	72	51.3	21.5	2.86	49.3	22.5	3.08	47.0	21.8	3.34	44.7	21.6	3.62	42.1	21.7	3.94	39.4	21.8	4.29
	75	62	42.5	28.4	2.66	40.8	29.1	2.87	38.9	28.3	3.10	36.7	27.9	3.37	34.3	27.7	3.68	31.6	27.4	4.03
1575	80	62	43.7	38.7	2.76	42.0	39.0	2.96	40.7	37.9	3.22	38.9	36.9	3.50	36.9	35.6	3.82	34.7	34.5	4.18
	80	67	47.6	30.2	2.84	45.6	30.5	3.05	43.5	29.8	3.30	41.2	29.7	3.57	38.8	29.5	3.88	36.0	29.5	4.23
	80	72	52.2	23.0	2.95	50.0	23.5	3.18	47.7	22.8	3.43	45.3	22.8	3.71	42.6	22.7	4.03	39.8	23.0	4.39
	75	62	43.3	30.5	2.75	41.5	30.8	2.95	39.5	30.0	3.18	37.3	29.8	3.45	34.9	29.3	3.76	32.4	30.3	4.12

MSH4BD048KA C7B(A,H)M048(C,U)-C

O.D.T			65°F			75°F			85°F			95°F			105°F			115°F		
CFM	E.D.B.	E.W.B	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.
1400	80	62	48.1	38.4	2.82	47.2	38.4	2.95	46.2	39.1	3.09	45.1	38.9	3.24	44.1	40.8	3.40	43.0	39.7	3.57
	80	67	52.5	31.6	2.84	50.3	31.4	3.12	47.9	31.6	3.43	45.5	30.9	3.78	42.9	30.4	4.18	40.2	32.8	4.62
	80	72	57.8	24.4	2.87	55.3	24.3	3.15	52.6	24.7	3.46	49.8	24.2	3.82	46.5	23.7	4.21	43.5	24.2	4.65
	75	62	47.9	32.0	2.82	45.9	31.7	3.09	43.8	31.8	3.40	41.5	31.1	3.75	39.1	28.4	4.15	36.6	30.5	4.58
1600	80	62	49.3	41.2	2.90	48.3	42.3	3.03	47.3	41.8	3.17	46.1	41.8	3.32	45.0	42.2	3.48	43.9	42.7	3.66
	80	67	53.5	33.7	2.92	51.2	34.6	3.20	48.8	33.6	3.51	46.2	33.2	3.86	43.6	33.1	4.26	40.7	32.8	4.70
	80	72	58.7	25.8	2.95	55.8	26.9	3.22	52.9	26.0	3.54	50.1	25.7	3.89	47.2	25.7	4.29	44.1	25.7	4.73
	75	62	48.8	34.1	2.90	46.8	34.8	3.17	44.6	33.7	3.48	42.2	33.2	3.83	39.7	33.0	4.23	37.1	32.7	4.67
1800	80	62	50.2	44.1	2.98	49.2	44.7	3.11	48.1	44.1	3.25	47.1	44.3	3.40	45.9	44.3	3.56	44.9	44.7	3.74
	80	67	54.4	36.3	3.00	52.0	36.6	3.28	49.5	35.6	3.59	46.9	35.4	3.94	44.1	34.9	4.34	41.1	34.9	4.78
	80	72	59.0	27.6	3.03	56.4	28.1	3.30	53.7	27.2	3.62	50.7	27.0	3.97	47.7	26.8	4.37	44.5	26.9	4.81
	75	62	49.6	36.5	2.98	47.5	36.7	3.25	45.2	35.7	3.56	42.7	35.3	3.91	40.2	34.8	4.31	37.5	34.7	4.75

13 SEER + LOOSE COIL HEATING EXPANDED RATINGS

MSH4BD042KA / C7B(A,H)M03642(C,U)-B

		OUTDOOR TEMPERATURE (Deg. F)																							
100	Indoor T.	10			17			20			30			40			47			50			60		
CFM	Deg.F	MBH	COP	kW	MBH	COP	kW	MBH	COP	kW	MBH	COP	kW	MBH	COP	kW	MBH	COP	kW	MBH	COP	kW	MBH	COP	kW
1155	60	21.1	2.32	2.66	25.1	2.68	2.75	26.8	2.83	2.78	32.5	3.29	2.90	38.3	3.72	3.02	42.3	4.00	3.10	44.0	4.12	3.13	49.7	4.49	3.25
	70	20.3	2.14	2.79	24.2	2.46	2.88	25.9	2.60	2.92	31.4	3.02	3.05	36.9	3.41	3.18	40.8	3.67	3.27	42.5	3.77	3.31	48.0	4.10	3.43
	80	19.8	1.98	2.93	23.5	2.27	3.03	25.1	2.39	3.07	30.4	2.78	3.21	35.7	3.13	3.35	39.4	3.36	3.44	41.0	3.45	3.48	46.4	3.75	3.62
1305	60	21.2	2.30	2.71	25.3	2.66	2.78	27.0	2.81	2.82	32.9	3.29	2.93	38.7	3.73	3.04	42.8	4.02	3.12	44.5	4.14	3.15	50.3	4.52	3.26
	70	20.5	2.12	2.83	24.5	2.46	2.92	26.1	2.59	2.95	31.8	3.03	3.08	37.4	3.43	3.20	41.3	3.69	3.28	43.0	3.80	3.32	48.6	4.14	3.44
	80	19.9	1.96	2.98	23.7	2.26	3.07	25.3	2.39	3.11	30.7	2.78	3.24	36.2	3.15	3.37	39.9	3.38	3.46	41.6	3.48	3.50	47.0	3.80	3.63
1455	60	21.3	2.27	2.75	25.4	2.64	2.82	27.2	2.79	2.86	33.1	3.28	2.96	39.0	3.73	3.07	43.2	4.03	3.15	45.0	4.15	3.18	50.9	4.54	3.29
	70	20.7	2.12	2.88	24.7	2.45	2.96	26.4	2.59	2.99	32.1	3.03	3.11	37.8	3.43	3.23	41.7	3.70	3.31	43.5	3.81	3.34	49.1	4.17	3.46
	80	20.1	1.95	3.02	23.9	2.26	3.11	25.6	2.38	3.15	31.0	2.78	3.27	36.5	3.15	3.39	40.3	3.40	3.48	42.0	3.50	3.52	47.4	3.82	3.64

MSH4BD048KA / C7B(A,H)M048(C,U)-C

		OUTDOOR TEMPERATURE (Deg. F)																							
100	Indoor T.	10			17			20			30			40			47			50			60		
CFM	Deg.F	MBH	COP	kW	MBH	COP	kW	MBH	COP	kW	MBH	COP	kW	MBH	COP	kW	MBH	COP	kW	MBH	COP	kW	MBH	COP	kW
1345	60	24.6	2.51	2.86	29.2	2.87	2.98	31.2	3.01	3.03	37.8	3.46	3.20	44.4	3.86	3.37	49.0	4.12	3.49	51.0	4.22	3.55	57.7	4.55	3.72
	70	23.7	2.30	3.02	28.2	2.63	3.15	30.2	2.76	3.20	36.6	3.17	3.39	43.1	3.54	3.57	47.6	3.77	3.70	49.5	3.87	3.75	56.0	4.17	3.94
	80	23.2	2.13	3.20	27.6	2.42	3.34	29.4	2.54	3.40	35.7	2.91	3.59	41.9	3.25	3.79	46.3	3.46	3.92	48.1	3.54	3.98	54.3	3.82	4.18
1545	60	24.8	2.50	2.92	29.5	2.86	3.03	31.5	3.01	3.08	38.3	3.47	3.24	45.0	3.89	3.40	49.7	4.16	3.51	51.7	4.27	3.56	58.5	4.62	3.72
	70	24.0	2.29	3.07	28.6	2.63	3.19	30.6	2.76	3.24	37.1	3.19	3.42	43.7	3.57	3.59	48.2	3.82	3.71	50.2	3.92	3.76	56.7	4.23	3.93
	80	23.4	2.11	3.26	27.9	2.42	3.38	29.8	2.54	3.44	36.1	2.93	3.62	42.5	3.28	3.80	46.9	3.50	3.93	48.8	3.59	3.98	55.1	3.88	4.16
1745	60	24.9	2.46	2.96	29.7	2.84	3.07	31.8	2.99	3.12	38.6	3.46	3.27	45.5	3.89	3.43	50.3	4.17	3.54	52.4	4.29	3.58	59.2	4.65	3.74
	70	24.4	2.29	3.13	29.0	2.62	3.24	31.0	2.76	3.29	37.6	3.19	3.45	44.2	3.59	3.61	48.8	3.84	3.73	50.8	3.95	3.78	57.4	4.28	3.94
	80	23.7	2.10	3.31	28.2	2.41	3.43	30.1	2.54	3.48	36.5	2.94	3.65	43.0	3.30	3.82	47.4	3.53	3.94	49.4	3.63	3.99	55.8	3.93	4.16

13 SEER + AHU COOLING EXPANDED RATINGS

MSH4BD042KA B6BMM042K-B

O.D.T			65°F			75°F			85°F			95°F			105°F			115°F		
CFM	E.D.B.	E.W.B.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.
1225	80	62	41.1	31.7	2.63	39.6	31.5	2.83	38.1	32.8	3.06	36.2	32.3	3.31	34.27	33.69	3.60	32.49	31.94	3.94
	80	67	45.3	26.1	2.73	43.5	25.9	2.94	41.6	26.2	3.17	39.6	25.7	3.44	37.37	25.31	3.73	35.02	23.78	4.06
	80	72	49.7	20.2	2.84	47.8	20.1	3.06	45.7	20.5	3.31	43.5	20.1	3.59	41.09	19.80	3.90	38.57	20.29	4.25
	75	62	41.1	26.4	2.63	39.5	26.2	2.83	37.8	26.4	3.05	35.9	25.9	3.30	33.90	23.66	3.58	31.55	25.52	3.91
1400	80	62	42.4	35.4	2.73	40.7	36.1	2.93	39.0	35.4	3.16	37.3	35.0	3.42	35.70	34.49	3.73	33.76	33.47	4.07
	80	67	46.3	27.8	2.82	44.5	28.6	3.03	42.5	27.9	3.27	40.3	27.6	3.54	38.01	27.62	3.84	35.58	27.60	4.16
	80	72	50.8	21.3	2.93	48.7	22.3	3.16	46.6	21.6	3.42	44.2	21.4	3.70	41.78	21.54	4.01	39.17	21.66	4.36
	75	62	42.0	28.1	2.72	40.4	28.8	2.92	38.6	28.1	3.15	36.6	27.8	3.40	34.54	27.69	3.68	32.18	27.50	4.00
1575	80	62	43.3	38.4	2.82	41.7	38.7	3.03	40.4	37.7	3.28	38.7	36.7	3.55	36.80	35.55	3.85	34.78	34.63	4.20
	80	67	47.1	29.9	2.91	45.1	30.2	3.12	43.1	29.5	3.37	40.8	29.4	3.63	38.51	29.23	3.93	36.00	29.35	4.26
	80	72	51.6	22.8	3.03	49.5	23.3	3.26	47.2	22.6	3.51	44.8	22.6	3.80	42.29	22.53	4.11	39.60	22.83	4.46
	75	62	42.8	30.2	2.81	41.0	30.5	3.01	39.2	29.7	3.24	37.1	29.6	3.49	35.00	29.29	3.77	32.74	30.32	4.10

MSH4BD048KA B6BMM060K-C

O.D.T			65°F			75°F			85°F			95°F			105°F			115°F		
CFM	E.D.B.	E.W.B.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.
1400	80	62	47.1	36.1	2.64	45.3	35.9	2.92	43.2	35.7	3.23	41.0	35.0	3.59	38.65	36.75	3.99	36.19	34.41	4.44
	80	67	51.7	29.7	2.67	49.5	29.5	2.95	47.3	29.8	3.26	44.9	29.2	3.62	42.30	28.72	4.02	39.65	26.54	4.47
	80	72	56.7	23.1	2.70	54.4	22.9	2.98	51.9	23.4	3.29	49.2	22.8	3.65	46.39	22.45	4.05	43.45	22.98	4.50
	75	62	47.1	30.2	2.64	45.2	29.9	2.92	43.1	30.1	3.23	40.9	29.4	3.59	38.53	27.04	3.99	36.06	29.10	4.44
1600	80	62	48.3	38.3	2.70	46.3	39.1	2.97	44.2	38.1	3.29	41.9	37.6	3.64	39.45	37.18	4.05	36.93	36.62	4.49
	80	67	52.9	31.6	2.72	50.7	32.5	3.00	48.3	31.7	3.32	45.8	31.3	3.67	43.08	31.29	4.07	40.29	31.26	4.52
	80	72	58.0	24.3	2.75	55.5	25.4	3.03	52.9	24.6	3.35	50.1	24.3	3.71	47.16	24.42	4.11	44.09	24.55	4.55
	75	62	48.1	32.1	2.70	46.2	32.8	2.97	44.0	32.0	3.28	41.7	31.5	3.64	39.24	31.41	4.05	36.68	31.26	4.49
1800	80	62	49.2	41.1	2.75	47.2	41.3	3.02	45.0	40.3	3.34	42.6	39.7	3.70	40.19	38.83	4.10	38.03	37.86	4.55
	80	67	53.8	33.9	2.77	51.5	34.3	3.05	49.1	33.5	3.37	46.4	33.3	3.73	43.68	33.07	4.13	40.82	33.20	4.57
	80	72	59.0	26.0	2.81	56.4	26.5	3.08	53.6	25.7	3.40	50.8	25.7	3.76	47.75	25.54	4.16	44.61	25.83	4.60
	75	62	49.0	34.4	2.75	47.0	34.6	3.02	44.7	33.8	3.34	42.3	33.5	3.69	39.80	33.18	4.10	37.15	32.84	4.54

MSH4BD060KA B6BMM060K-C

O.D.T			65°F			75°F			85°F			95°F			105°F			115°F		
CFM	E.D.B.	E.W.B.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.
1750	80	62	59.9	46.0	3.40	57.5	45.6	3.77	55.0	45.4	4.18	52.4	44.6	4.64	49.52	46.74	5.17	46.42	43.81	5.76
	80	67	65.1	37.9	3.47	62.5	37.5	3.84	59.7	37.9	4.25	56.8	37.1	4.72	53.68	36.50	5.25	50.24	34.07	5.85
	80	72	71.2	29.4	3.55	68.2	29.2	3.93	65.1	29.8	4.35	61.7	29.2	4.81	58.01	28.69	5.33	54.16	29.26	5.94
	75	62	59.7	38.5	3.40	57.3	38.1	3.77	54.8	38.3	4.18	52.1	37.5	4.64	49.26	34.52	5.17	46.19	37.04	5.76
2000	80	62	61.4	48.7	3.48	58.9	49.6	3.86	56.2	48.4	4.26	53.5	47.8	4.72	50.52	47.34	5.25	47.43	46.51	5.85
	80	67	66.6	40.2	3.55	63.8	41.3	3.92	60.9	40.2	4.34	57.8	39.7	4.80	54.55	39.67	5.33	51.00	39.53	5.93
	80	72	72.4	30.9	3.62	69.2	32.3	4.01	65.8	31.3	4.42	62.4	31.0	4.89	58.83	31.05	5.41	54.95	31.06	6.02
	75	62	61.1	40.8	3.48	58.6	41.8	3.85	55.9	40.6	4.26	53.1	40.1	4.72	50.08	39.92	5.25	46.88	39.68	5.84
2250	80	62	62.5	52.2	3.56	59.9	52.4	3.93	57.2	51.1	4.34	54.4	50.4	4.80	51.30	49.50	5.33	48.46	48.25	5.94
	80	67	67.6	43.0	3.63	64.8	43.5	4.00	61.8	42.4	4.41	58.6	42.2	4.88	55.25	41.83	5.40	51.59	41.90	6.00
	80	72	73.2	33.1	3.70	70.0	33.7	4.08	66.7	32.6	4.51	63.3	32.6	4.97	59.54	32.33	5.49	55.52	32.55	6.10
	75	62	62.1	43.7	3.55	59.5	44.0	3.93	56.8	42.9	4.33	53.9	42.6	4.79	50.81	42.10	5.32	47.44	41.64	5.92

13 SEER + AHU HEATING EXPANDED RATINGS

MSH4BD042KA / B6BMM042K-B

		OUTDOOR TEMPERATURE (Deg. F)																							
100	Indoor T.	10			17			20			30			40			47			50			60		
CFM	Deg.F	MBH	COP	kW	MBH	COP	kW	MBH	COP	kW	MBH	COP	kW	MBH	COP	kW	MBH	COP	kW	MBH	COP	kW	MBH	COP	kW
1195	60	20.9	2.29	2.68	24.8	2.64	2.76	26.4	2.78	2.79	32.0	3.23	2.90	37.5	3.65	3.02	41.4	3.92	3.09	43.1	4.04	3.13	48.6	4.40	3.24
	70	20.2	2.11	2.80	23.9	2.43	2.89	25.5	2.56	2.93	30.9	2.97	3.05	36.2	3.34	3.17	39.9	3.59	3.26	41.6	3.69	3.30	46.9	4.02	3.42
	80	19.6	1.95	2.95	23.2	2.24	3.04	24.7	2.35	3.08	29.9	2.72	3.21	35.0	3.07	3.35	38.6	3.29	3.44	40.1	3.38	3.48	45.2	3.67	3.61
1345	60	21.1	2.27	2.72	25.0	2.62	2.79	26.7	2.77	2.83	32.3	3.23	2.93	37.9	3.66	3.04	41.9	3.94	3.11	43.6	4.06	3.15	49.2	4.44	3.25
	70	20.4	2.10	2.85	24.2	2.42	2.93	25.8	2.55	2.96	31.2	2.97	3.08	36.6	3.36	3.20	40.4	3.61	3.28	42.0	3.72	3.31	47.5	4.06	3.43
	80	19.8	1.93	3.00	23.4	2.23	3.08	25.0	2.35	3.12	30.2	2.73	3.24	35.4	3.08	3.37	39.1	3.31	3.46	40.6	3.41	3.49	45.8	3.72	3.62
1495	60	21.1	2.24	2.76	25.1	2.60	2.83	26.8	2.75	2.86	32.6	3.22	2.97	38.3	3.66	3.07	42.3	3.95	3.14	44.0	4.07	3.17	49.8	4.45	3.28
	70	20.6	2.09	2.89	24.4	2.41	2.97	26.1	2.55	3.00	31.6	2.97	3.11	37.0	3.37	3.22	40.9	3.63	3.30	42.5	3.74	3.34	48.0	4.08	3.45
	80	20.0	1.93	3.04	23.7	2.22	3.12	25.2	2.34	3.16	30.5	2.73	3.27	35.7	3.09	3.39	39.4	3.33	3.48	41.0	3.43	3.51	46.3	3.74	3.63

MSH4BD048KA / B6BMM060K-C

		OUTDOOR TEMPERATURE (Deg. F)																							
100	Indoor T.	10			17			20			30			40			47			50			60		
CFM	Deg.F	MBH	COP	kW	MBH	COP	kW	MBH	COP	kW	MBH	COP	kW	MBH	COP	kW	MBH	COP	kW	MBH	COP	kW	MBH	COP	kW
1355	60	22.8	2.50	2.67	27.4	2.89	2.78	29.3	3.04	2.83	35.9	3.53	2.98	42.4	3.96	3.14	47.0	4.24	3.25	48.9	4.36	3.29	55.5	4.72	3.45
	70	22.0	2.30	2.80	26.5	2.66	2.92	28.4	2.80	2.97	34.7	3.24	3.14	41.1	3.64	3.31	45.5	3.90	3.43	47.4	4.00	3.48	53.8	4.33	3.65
	80	21.5	2.14	2.95	25.8	2.46	3.08	27.6	2.59	3.13	33.7	2.99	3.31	39.9	3.35	3.49	44.2	3.58	3.62	46.0	3.67	3.68	52.1	3.96	3.86
1555	60	23.0	2.48	2.73	27.7	2.87	2.83	29.7	3.03	2.87	36.3	3.53	3.02	43.0	3.98	3.16	47.6	4.28	3.27	49.6	4.40	3.31	56.3	4.78	3.46
	70	22.3	2.29	2.86	26.8	2.65	2.97	28.8	2.80	3.02	35.2	3.25	3.18	41.6	3.66	3.33	46.2	3.93	3.45	48.1	4.04	3.49	54.5	4.38	3.65
	80	21.7	2.11	3.01	26.1	2.44	3.13	27.9	2.58	3.18	34.2	2.99	3.35	40.4	3.37	3.52	44.8	3.61	3.64	46.7	3.71	3.69	52.9	4.02	3.86
1755	60	23.1	2.44	2.78	27.9	2.84	2.88	29.9	3.00	2.92	36.7	3.52	3.06	43.5	3.98	3.20	48.2	4.29	3.30	50.3	4.41	3.34	57.0	4.80	3.48
	70	22.6	2.28	2.92	27.2	2.64	3.02	29.1	2.79	3.07	35.7	3.25	3.22	42.2	3.68	3.37	46.8	3.95	3.47	48.7	4.06	3.52	55.2	4.42	3.67
	80	22.0	2.10	3.07	26.4	2.43	3.18	28.3	2.57	3.23	34.6	3.00	3.39	40.9	3.38	3.55	45.4	3.63	3.66	47.2	3.74	3.71	53.6	4.06	3.87

MSH4BD060KA / B6BMM060K-C

		OUTDOOR TEMPERATURE (Deg. F)																							
100	Indoor T.	10			17			20			30			40			47			50			60		
CFM	Deg.F	MBH	COP	kW	MBH	COP	kW	MBH	COP	kW	MBH	COP	kW	MBH	COP	kW	MBH	COP	kW	MBH	COP	kW	MBH	COP	kW
1415	60	30.4	2.51	3.56	35.8	2.84	3.70	38.2	2.97	3.76	45.9	3.39	3.97	53.7	3.77	4.18	59.2	4.01	4.33	61.5	4.11	4.39	69.3	4.42	4.60
	70	29.4	2.26	3.82	34.8	2.57	3.97	37.1	2.70	4.03	44.7	3.09	4.24	52.4	3.45	4.46	57.7	3.68	4.61	60.0	3.77	4.67	67.7	4.06	4.88
	80	29.0	2.07	4.10	34.2	2.35	4.26	36.4	2.47	4.33	43.8	2.82	4.55	51.2	3.15	4.77	56.4	3.36	4.93	58.7	3.44	5.00	66.1	3.71	5.22
1615	60	30.7	2.51	3.59	36.2	2.85	3.73	38.6	2.99	3.79	46.5	3.42	3.98	54.4	3.82	4.18	59.9	4.07	4.31	62.2	4.18	4.37	70.1	4.50	4.57
	70	29.8	2.27	3.85	35.2	2.59	3.99	37.5	2.72	4.05	45.2	3.12	4.25	53.0	3.49	4.45	58.4	3.73	4.59	60.7	3.83	4.64	68.4	4.14	4.84
	80	29.2	2.07	4.14	34.5	2.36	4.28	36.7	2.48	4.35	44.3	2.85	4.55	51.8	3.20	4.75	57.1	3.42	4.90	59.3	3.51	4.96	66.9	3.80	5.16
1815	60	30.7	2.48	3.62	36.3	2.83	3.76	38.7	2.98	3.81	46.8	3.43	4.00	54.8	3.83	4.20	60.5	4.10	4.33	62.9	4.21	4.39	71.0	4.55	4.58
	70	30.2	2.27	3.89	35.6	2.60	4.02	38.0	2.73	4.08	45.7	3.14	4.27	53.5	3.52	4.45	59.0	3.77	4.59	61.3	3.87	4.64	69.1	4.20	4.83
	80	29.5	2.07	4.18	34.8	2.37	4.31	37.1	2.49	4.37	44.7	2.88	4.56	52.3	3.23	4.75	57.6	3.46	4.88	59.9	3.56	4.94	67.5	3.86	5.13

13 SEER COOLING EXPANDED RATINGS

MSH4BD042KA B6EMMX42K-B

O.D.T			65°F			75°F			85°F			95°F			105°F			115°F		
CFM	E.D.B.	E.W.B.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.
1225	80	62	41.7	31.3	2.41	40.2	31.1	2.65	38.5	31.3	2.94	36.6	30.7	3.26	34.8	33.8	3.63	32.8	31.8	4.04
	80	67	45.6	25.8	2.43	43.8	25.7	2.67	41.9	26.0	2.96	39.9	25.5	3.29	37.8	25.1	3.66	35.5	23.5	4.07
	80	72	49.8	20.1	2.45	47.9	20.0	2.70	45.9	20.4	2.99	43.6	20.0	3.32	41.3	19.7	3.70	38.8	20.2	4.11
	75	62	41.6	26.3	2.41	40.0	26.1	2.65	38.4	26.3	2.93	36.5	25.7	3.26	34.5	23.7	3.62	32.4	25.5	4.03
1400	80	62	42.8	33.5	2.45	41.2	35.6	2.70	39.5	35.0	2.98	37.6	34.7	3.31	35.9	34.6	3.68	34.2	34.0	4.09
	80	67	46.6	27.5	2.47	44.8	28.3	2.72	42.9	27.6	3.01	40.8	27.3	3.33	38.5	27.3	3.70	36.2	27.3	4.12
	80	72	51.0	21.1	2.49	49.0	22.1	2.75	46.8	21.4	3.04	44.5	21.2	3.37	42.0	21.4	3.75	39.4	21.5	4.16
	75	62	42.6	27.9	2.45	41.0	28.6	2.70	39.2	27.9	2.98	37.2	27.5	3.30	35.2	27.5	3.67	33.0	27.4	4.08
1575	80	62	43.8	37.8	2.50	42.1	38.2	2.74	40.4	37.5	3.03	39.0	37.1	3.36	37.2	35.9	3.73	35.3	35.1	4.15
	80	67	47.6	29.5	2.51	45.6	29.9	2.76	43.5	29.1	3.05	41.4	29.0	3.38	39.0	28.8	3.75	36.6	29.0	4.16
	80	72	51.9	22.5	2.54	49.8	23.1	2.79	47.5	22.4	3.09	45.1	22.4	3.42	42.5	22.4	3.79	39.9	22.7	4.21
	75	62	43.5	29.9	2.49	41.7	30.2	2.74	39.9	29.4	3.02	37.9	29.3	3.35	35.7	29.0	3.71	33.5	29.0	4.12

MSH4BD048KA B6EMMX48K-C

O.D.T			65°F			75°F			85°F			95°F			105°F			115°F		
CFM	E.D.B.	E.W.B.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.
1400	80	62	47.9	37.9	2.67	45.8	37.4	2.95	43.7	37.5	3.22	41.5	36.7	3.55	39.3	38.2	3.92	37.0	36.0	4.33
	80	67	52.4	31.3	2.70	49.8	30.9	2.98	47.6	31.2	3.25	45.2	30.5	3.57	42.7	30.0	3.94	40.0	28.0	4.36
	80	72	57.8	24.3	2.74	54.9	24.1	3.01	52.2	24.5	3.28	49.3	24.0	3.60	46.3	23.5	3.97	43.5	24.0	4.38
	75	62	47.7	31.7	2.67	45.5	31.3	2.95	43.4	31.4	3.22	41.2	30.7	3.55	38.9	28.3	3.92	36.4	30.2	4.33
1600	80	62	49.2	40.6	2.72	46.8	41.1	3.00	44.7	40.1	3.28	42.5	39.4	3.60	40.2	38.8	3.97	38.1	37.8	4.38
	80	67	53.6	33.4	2.75	50.9	34.1	3.04	48.5	33.2	3.30	46.0	32.8	3.62	43.5	32.8	3.99	40.7	32.7	4.41
	80	72	58.7	25.7	2.78	55.4	26.6	3.06	52.8	25.8	3.33	50.0	25.4	3.65	47.2	25.5	4.02	44.2	25.5	4.43
	75	62	48.8	33.8	2.73	46.4	34.4	3.00	44.3	33.5	3.27	42.0	32.8	3.60	39.6	32.6	3.97	37.1	32.4	4.38
1800	80	62	50.2	43.6	2.78	47.9	43.5	3.05	45.7	42.2	3.33	43.5	41.3	3.65	41.4	40.0	4.02	39.2	39.1	4.44
	80	67	54.6	35.9	2.80	51.8	36.1	3.08	49.3	35.2	3.35	46.8	35.0	3.67	44.0	34.7	4.04	41.3	34.6	4.46
	80	72	59.4	27.5	2.83	56.3	27.8	3.11	53.6	26.9	3.38	50.7	26.8	3.70	47.8	26.6	4.06	44.8	26.8	4.47
	75	62	49.7	36.3	2.77	47.3	36.2	3.05	45.0	35.2	3.32	42.6	34.9	3.65	40.1	34.5	4.02	37.6	34.4	4.43

MSH4BD060KA B6EMMX60K-C

O.D.T			65°F			75°F			85°F			95°F			105°F			115°F		
CFM	E.D.B.	E.W.B.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.
1400	80	62	58.9	40.6	3.62	56.3	40.0	4.02	54.0	40.2	4.40	51.5	39.4	4.83	49.0	41.4	5.33	46.2	39.0	5.91
	80	67	65.1	34.4	3.70	61.9	33.9	4.10	59.2	34.2	4.47	56.3	33.5	4.90	53.3	33.0	5.40	50.3	30.7	5.97
	80	72	71.9	27.7	3.79	68.4	27.3	4.19	65.5	27.8	4.56	62.5	27.2	5.00	59.3	26.7	5.51	56.3	27.6	6.20
	75	62	58.9	34.8	3.62	56.0	34.3	4.02	53.6	34.5	4.39	51.2	33.7	4.82	48.6	31.2	5.32	45.8	33.4	5.90
1550	80	62	60.6	42.7	3.68	57.8	43.4	4.08	55.4	42.3	4.45	52.8	41.7	4.88	50.1	41.6	5.38	47.2	41.4	5.96
	80	67	66.7	36.0	3.75	63.3	36.9	4.15	60.2	35.9	4.51	57.4	35.4	4.95	54.4	35.4	5.45	51.3	35.4	6.03
	80	72	73.6	28.7	3.85	70.0	29.9	4.25	67.0	28.8	4.62	63.9	28.6	5.05	60.8	28.9	5.70	57.3	29.1	6.26
	75	62	60.3	36.5	3.67	57.4	37.2	4.07	54.9	36.1	4.44	52.4	35.5	4.87	49.7	35.4	5.37	46.8	35.2	5.95
1700	80	62	62.2	45.4	3.73	59.1	45.4	4.13	56.6	44.3	4.50	53.9	44.0	4.93	51.1	43.6	5.43	48.1	43.6	6.01
	80	67	67.8	38.3	3.80	64.3	38.5	4.20	61.5	37.3	4.57	58.6	37.1	5.00	55.5	36.8	5.50	52.5	37.1	6.19
	80	72	75.2	30.4	3.91	71.4	30.9	4.30	68.2	29.8	4.67	64.9	29.9	5.10	61.8	29.9	5.76	58.1	30.4	6.31
	75	62	61.7	38.7	3.72	58.7	38.7	4.12	56.2	37.6	4.49	53.5	37.3	4.92	50.7	36.9	5.42	47.7	36.9	6.00

13 SEER HEATING EXPANDED RATINGS

MSH4BD042KA / B6EMMX42K-B

		OUTDOOR TEMPERATURE (Deg. F)																							
100	Indoor T.	10			17			20			30			40			47			50			60		
CFM	Deg.F	MBH	COP	kW	MBH	COP	kW	MBH	COP	kW	MBH	COP	kW	MBH	COP	kW	MBH	COP	kW	MBH	COP	kW	MBH	COP	kW
1225	60	20.3	2.41	2.47	24.2	2.77	2.56	25.9	2.92	2.60	31.5	3.38	2.73	37.1	3.79	2.87	41.0	4.06	2.96	42.7	4.17	3.00	48.3	4.51	3.14
	70	19.6	2.24	2.56	23.3	2.57	2.67	25.0	2.70	2.71	30.4	3.11	2.86	35.8	3.48	3.01	39.5	3.72	3.12	41.2	3.82	3.16	46.6	4.12	3.31
	80	19.0	2.08	2.68	22.6	2.38	2.79	24.2	2.50	2.84	29.4	2.87	3.00	34.5	3.20	3.16	38.1	3.41	3.28	39.7	3.50	3.33	44.9	3.77	3.49
1375	60	20.4	2.39	2.51	24.4	2.75	2.60	26.1	2.90	2.64	31.8	3.37	2.77	37.5	3.80	2.90	41.5	4.07	2.98	43.2	4.19	3.02	48.9	4.55	3.15
	70	19.8	2.22	2.61	23.6	2.55	2.71	25.2	2.69	2.75	30.7	3.11	2.90	36.2	3.49	3.04	40.0	3.74	3.14	41.6	3.84	3.18	47.1	4.16	3.32
	80	19.2	2.06	2.73	22.9	2.36	2.83	24.4	2.49	2.88	29.7	2.87	3.04	35.0	3.21	3.19	38.6	3.43	3.30	40.2	3.52	3.35	45.5	3.81	3.50
1525	60	20.5	2.35	2.56	24.6	2.73	2.64	26.3	2.88	2.68	32.1	3.35	2.80	37.8	3.79	2.93	41.9	4.08	3.01	43.6	4.19	3.05	49.4	4.56	3.17
	70	20.0	2.21	2.66	23.9	2.54	2.75	25.5	2.68	2.79	31.0	3.11	2.93	36.6	3.50	3.07	40.5	3.75	3.16	42.1	3.85	3.20	47.6	4.18	3.34
	80	19.4	2.05	2.77	23.1	2.35	2.88	24.7	2.48	2.92	30.0	2.86	3.07	35.3	3.22	3.22	39.0	3.44	3.32	40.6	3.54	3.37	45.9	3.83	3.52

MSH4BD048KA / B6EMMX48K-C

		OUTDOOR TEMPERATURE (Deg. F)																							
100	Indoor T.	10			17			20			30			40			47			50			60		
CFM	Deg.F	MBH	COP	kW	MBH	COP	kW	MBH	COP	kW	MBH	COP	kW	MBH	COP	kW	MBH	COP	kW	MBH	COP	kW	MBH	COP	kW
1310	60	22.9	2.51	2.68	27.2	2.89	2.76	29.1	3.04	2.80	35.2	3.54	2.92	41.4	3.99	3.04	45.6	4.29	3.12	47.5	4.41	3.16	53.6	4.80	3.28
	70	22.2	2.31	2.81	26.3	2.66	2.90	28.1	2.80	2.94	34.1	3.25	3.07	40.0	3.67	3.20	44.2	3.94	3.29	46.0	4.05	3.33	51.9	4.40	3.46
	80	21.6	2.14	2.96	25.6	2.46	3.06	27.4	2.59	3.10	33.1	3.00	3.24	38.8	3.37	3.38	42.8	3.62	3.47	44.6	3.72	3.52	50.3	4.03	3.66
1510	60	23.2	2.48	2.74	27.6	2.87	2.81	29.4	3.03	2.85	35.7	3.54	2.96	41.9	4.01	3.07	46.3	4.31	3.15	48.2	4.44	3.18	54.4	4.85	3.29
	70	22.5	2.30	2.87	26.7	2.65	2.95	28.5	2.80	2.99	34.5	3.26	3.11	40.6	3.68	3.23	44.8	3.96	3.32	46.6	4.08	3.35	52.7	4.45	3.47
	80	21.8	2.12	3.02	25.9	2.45	3.11	27.7	2.58	3.15	33.5	3.00	3.28	39.4	3.39	3.41	43.5	3.65	3.50	45.2	3.75	3.53	51.1	4.09	3.66
1710	60	23.3	2.45	2.79	27.8	2.84	2.86	29.7	3.01	2.90	36.0	3.52	3.00	42.4	4.00	3.11	46.9	4.32	3.18	48.8	4.45	3.21	55.2	4.87	3.32
	70	22.8	2.28	2.92	27.1	2.64	3.00	28.9	2.79	3.04	35.0	3.26	3.15	41.1	3.69	3.27	45.4	3.98	3.35	47.3	4.10	3.38	53.4	4.48	3.49
	80	22.1	2.11	3.07	26.3	2.44	3.16	28.0	2.57	3.20	34.0	3.00	3.32	39.9	3.40	3.44	44.0	3.66	3.52	45.8	3.77	3.56	51.7	4.12	3.68

MSH4BD060KA / B6EMMX60K-C

		OUTDOOR TEMPERATURE (Deg. F)																							
100	Indoor T.	10			17			20			30			40			47			50			60		
CFM	Deg.F	MBH	COP	kW	MBH	COP	kW	MBH	COP	kW	MBH	COP	kW	MBH	COP	kW	MBH	COP	kW	MBH	COP	kW	MBH	COP	kW
1345	60	31.2	2.54	3.60	36.4	2.85	3.75	38.7	2.97	3.81	46.2	3.36	4.03	53.7	3.71	4.25	58.9	3.93	4.40	61.2	4.02	4.46	68.7	4.30	4.68
	70	30.2	2.29	3.87	35.4	2.58	4.02	37.6	2.70	4.09	44.9	3.06	4.31	52.3	3.39	4.53	57.5	3.60	4.68	59.7	3.68	4.75	67.0	3.95	4.97
	80	29.7	2.10	4.16	34.7	2.36	4.32	36.9	2.46	4.39	44.0	2.79	4.62	51.2	3.09	4.85	56.2	3.28	5.02	58.3	3.36	5.09	65.5	3.61	5.32
1545	60	31.5	2.54	3.63	36.8	2.86	3.77	39.1	2.99	3.83	46.7	3.39	4.04	54.3	3.75	4.24	59.6	3.99	4.38	61.9	4.08	4.44	69.5	4.39	4.65
	70	30.6	2.30	3.89	35.8	2.60	4.04	38.0	2.72	4.10	45.5	3.09	4.31	52.9	3.44	4.52	58.1	3.66	4.66	60.3	3.75	4.72	67.8	4.03	4.93
	80	30.0	2.09	4.19	35.0	2.37	4.34	37.2	2.48	4.41	44.5	2.82	4.62	51.7	3.14	4.83	56.8	3.35	4.98	59.0	3.43	5.04	66.3	3.70	5.26
1745	60	31.5	2.52	3.66	36.9	2.85	3.80	39.2	2.98	3.86	47.0	3.40	4.06	54.8	3.77	4.26	60.2	4.02	4.40	62.5	4.11	4.46	70.3	4.43	4.66
	70	31.0	2.31	3.94	36.2	2.61	4.07	38.5	2.73	4.13	46.0	3.11	4.33	53.5	3.47	4.52	58.7	3.69	4.66	61.0	3.79	4.72	68.5	4.09	4.91
	80	30.3	2.10	4.23	35.4	2.38	4.37	37.6	2.49	4.43	44.9	2.85	4.63	52.2	3.18	4.82	57.4	3.39	4.96	59.6	3.48	5.02	66.9	3.76	5.22

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